# **OIL ANALYSIS REPORT**

#### VOLVO PENTA 2004029187 - STARBOARD DIESEL ENGINE MATIC MATIC

Sample No:

VPA058292

**Oil Type:** {unknown}

### SAMPLE INFORMATION

Sample Number		VPA058292	 	
Sample Date		03 Mar 2024	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.27	 	
Oxidation (PA)	%	60	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%			
		0.1	 	
Nitration (PA)	%	52	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	3	 	
Sodium	ppm	■<1	 	
Potassium	ppm	0	 	

# WEAR METALS

Iron	ppm	4	 	
Copper	ppm	7	 	
Lead	ppm	3	 	
Tin	ppm		 	
Aluminum	ppm	<b>4</b>	 	
Chromium	ppm	<b>  </b> <1	 	
Molybdenum	ppm	57	 	
Nickel	ppm	<b>1</b>	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	<1	 	

### ADDITIVES

Calcium	ppm	<b>1022</b>	 	
Magnesium	ppm	976	 	
Zinc	ppm	1363	 	
Phosphorus	ppm	1159	 	
Barium	ppm	0	 	
Boron	ppm	6	 	

#### Harry's Marine Service LLC 1141 N. Citrus St.

Orange, CA US 92887 Contact: TARAH AULD info@harrysmarine.com T: (714)771-7899 F:

## Diagnosis

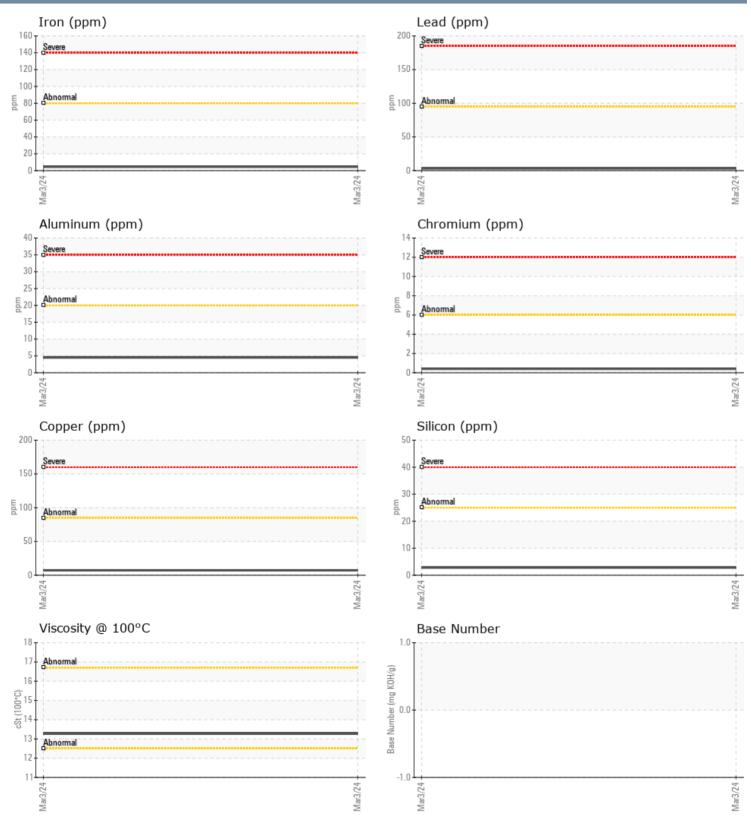
No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP867279 Unique No: 10911409 Signed: Doug Bogart Report Date: 04 Mar 2024

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP867279 [WUSCAR] 06107912 (Generated: 03/08/2024 07:52:17) Rev: 1

Contact/Location: TARAH AULD - VP867279